






































ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| Title of Invention | Simulating Euclidean wiring directions using Manhattan and diagonal directional wires | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>Application Number: 10/043808 </p> <p>Confirmation Number: 9068</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0008</p> <p>Art Unit: 2818</p> <p>Examiner: Dao H. Nguyen</p> <p>Search string: (4782193 or 4855253 or 5541005 or 5635736 or 5637920 or 5640327 or 5646830 or 5689433 or 5784289 or 5801385 or 5811863 or 5822214 or 5880969 or 5889329 or 5980093 or 6111756 or 6260183 or 6263475 or 6301686 or 6307256 or 6316838 or 6324674 or 6412097 or 6448591 or 6516455 or 6645842 or 20010009031 or 20020069397 or 20030025205).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>4782193</td><td>1988-11-01</td><td>Linsker</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4855253</td><td>1989-08-08</td><td>Weber</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5541005</td><td>1996-07-30</td><td>Bezama et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5635736</td><td>1997-06-03</td><td>Funaki et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5637920</td><td>1997-06-10</td><td>Loo</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5640327</td><td>1997-06-17</td><td>Ting</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5646830</td><td>1997-07-08</td><td>Nagano</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>5689433</td><td>1997-11-18</td><td>Edwards</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>5784289</td><td>1998-07-21</td><td>Wang</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>5801385</td><td>1998-09-01</td><td>Endo et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>5811863</td><td>1998-09-22</td><td>Rostoker et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>12</td><td>5822214</td><td>1998-10-13</td><td>Rostoker et al.</td><td></td><td></td><td></td></tr></tbody></table> | | | | | | | | init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |  | 1 | 4782193 | 1988-11-01 | Linsker | | | |  | 2 | 4855253 | 1989-08-08 | Weber | | | |  | 3 | 5541005 | 1996-07-30 | Bezama et al. | | | |  | 4 | 5635736 | 1997-06-03 | Funaki et al. | | | |  | 5 | 5637920 | 1997-06-10 | Loo | | | |  | 6 | 5640327 | 1997-06-17 | Ting | | | |  | 7 | 5646830 | 1997-07-08 | Nagano | | | |  | 8 | 5689433 | 1997-11-18 | Edwards | | | |  | 9 | 5784289 | 1998-07-21 | Wang | | | |  | 10 | 5801385 | 1998-09-01 | Endo et al. | | | |  | 11 | 5811863 | 1998-09-22 | Rostoker et al. | | | |  | 12 | 5822214 | 1998-10-13 | Rostoker et al. | | | |
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| | 14 | 5889329 | 1999-03-30 | Rostoker et al. | |
| | 15 | 5980093 | 1999-11-09 | Jones et al. | |
| | 16 | 6111756 | 2000-08-29 | Moresco | |
| | 17 | 6260183 | 2001-07-10 | Raspopovic et al. | B1 |
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| | 20 | 6307256 | 2001-10-23 | Chiang et al. | B1 |
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| | 22 | 6324674 | 2001-11-27 | Andreev et al. | B2 |
| | 23 | 6412097 | 2002-06-25 | Kikuchi et al. | B1 |
| | 24 | 6448591 | 2002-09-10 | Juengling | B1 |
| | 25 | 6516455 | 2003-02-04 | Teig et al. | B1 |
| dlr | 26 | 6645842 | 2003-11-11 | Igarashi et al. | B2 |

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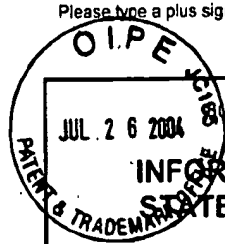
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| dlr | 2 | 20020069397 | 2002-06-06 | Teig et al. | A1 | | |
| dlr | 3 | 20030025205 | 2003-02-06 | Shively | A1 | | |

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| Examiner Name | Date |
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| <i>Thao</i> | 08/12/04 |

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| | | | | First Named Inventor | Steven Teig |
| | | | | Group Art Unit | 2818 |
| | | | | Examiner Name | Dao Nguyen |
| Sheet | 1 | of | 2 | Attorney Docket Number | SPLX.P0008 |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| Examiner* Initials | Cite No. ¹ | Foreign Patent Document | | | Date of Publication MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code (if known) ⁵ | | | | |
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| dhc | 2. | JP | 2000-082743 | | 03-21-2000 | Igarashi et al. | with Japanese Patent Office's English translation of Abstract; and with English translation of the application. | ✓ |

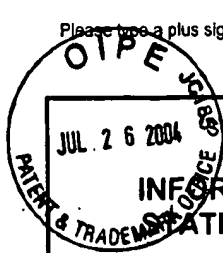
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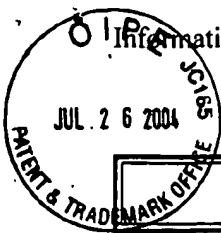
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| Examiner* Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
| dh | 9. | Royle, J. et al., Geometric Compaction in One Dimension for Channel Routing, 24 th ACM/IEEE Design Automation Conference, 1987, pp 140-145. | |
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|-----------------------|-------------|--------------------|----------|
| Examiner Signature | <i>Roas</i> | Date Considered | 08/12/04 |
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| dh | 3 | 20030025205 | 2003-02-06 | Shively | A1 | | |

Signature

| Examiner Name | Date |
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| <i>W. Q. J.</i> | 08/04/04 |